

Native Sheep PTGS2 Protein

Cat. No. PTGS2-57S **Lot. No.** (See product label)

SPECIFICATION

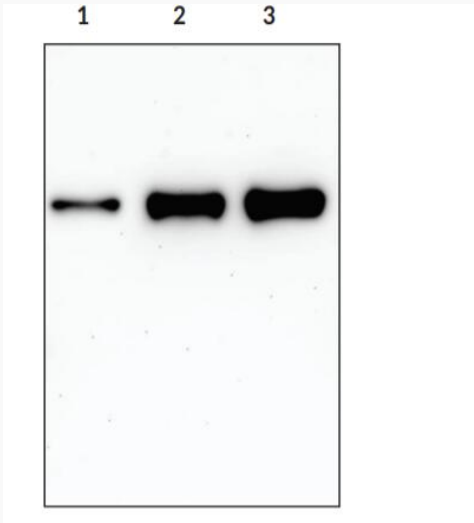
Product Overview	Native sheep PTGS2 protein without tag was isolated from sheep placenta.
Species	Sheep
Source	Sheep placenta
Description	Cyclooxygenase (COX) catalyzes the first step in the biosynthesis of prostaglandins, thromboxanes, and prostacyclins: the conversion of arachidonic acid to prostaglandin H ₂ . Recent discoveries of the induction of cyclooxygenase by a variety of stimuli such as phorbol esters, lipopolysaccharides, and cytokines led to the hypothesis that the inducible form of cyclooxygenase, COX-2, is responsible for the biosynthesis of prostaglandins under acute inflammatory conditions.
Molecular Mass	72 kDa
Purity	>95% estimated by SDS-PAGE
Stability	≥ 1 year
Storage	Store it at -80 centigrade
Storage Buffer	Laemmli buffer (2% SDS, 10% glycerol, 0.70 M Tris-HCl, pH 6.8, 1.5% 2-mercaptoethanol, 0.04 % bromophenol blue)

GENE INFORMATION

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Gene Name	PTGS2 prostaglandin-endoperoxide synthase 2 [<i>Ovis aries</i> (sheep)]
Official Symbol	PTGS2
Synonyms	PTGS2; prostaglandin-endoperoxide synthase 2; PGHS-2; prostaglandin G/H synthase 2; COX-2; PGH synthase 2; PHS II; cyclooxygenase, prostaglandin endoperoxide H synthase-2; cyclooxygenase-2; prostaglandin H synthase-2; prostaglandin H2 synthase 2; prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
Gene ID	443460
mRNA Refseq	NM_001009432
Protein Refseq	NP_001009432
UniProt ID	P79208
SDS-PAGE Analysis of PTGS2	

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Lane 1: COX-2 Standard (10 ng); Lane 2: COX-2 Standard (50 ng); Lane 3: COX-2 Standard (100 ng). Probed with COX-2 Polyclonal Antibody.

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